Section 7

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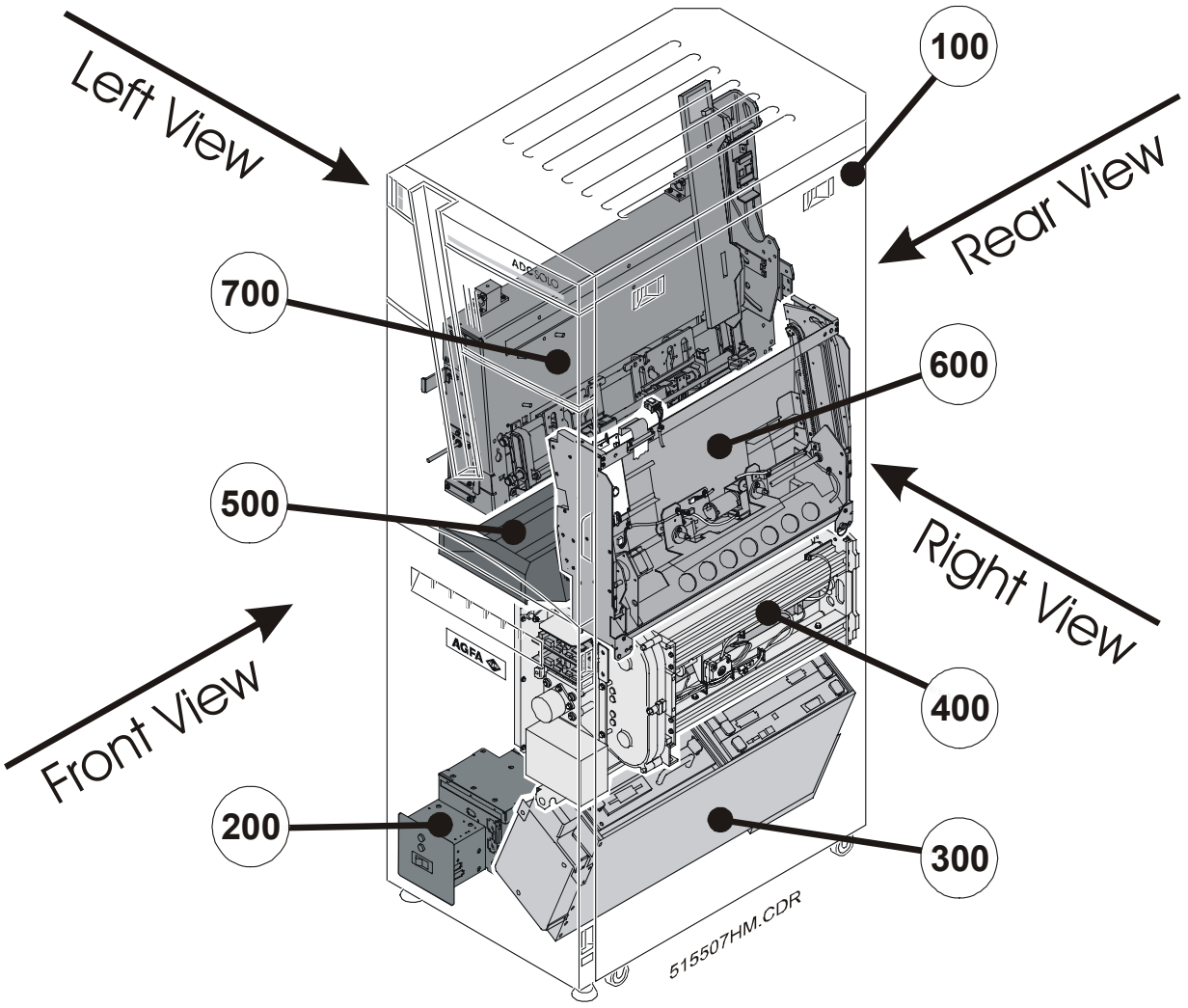
1. Abbreviations & reference diagrams

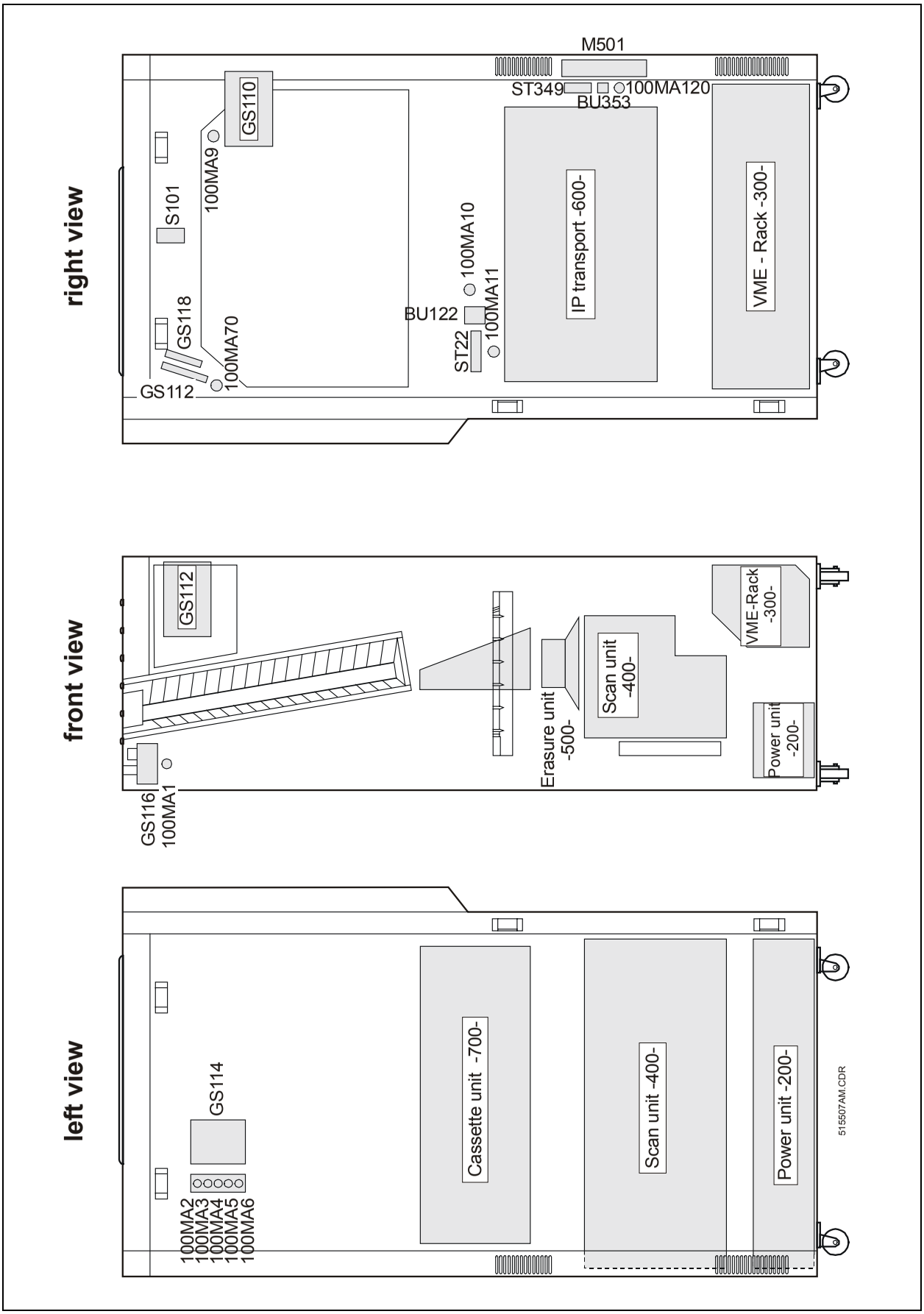
1.1. Structural overview

Block Diagram	Module-No.
ADCS frame	-100-
ADCS power unit	-200-
ADCS VME rack	-300-
ADCS scan unit	-400-
ADCS erasure unit	-500-
ADCS IP transport	-600-
ADCS cassette unit	-700-

Example: GS**2**10 belongs to module no. 200

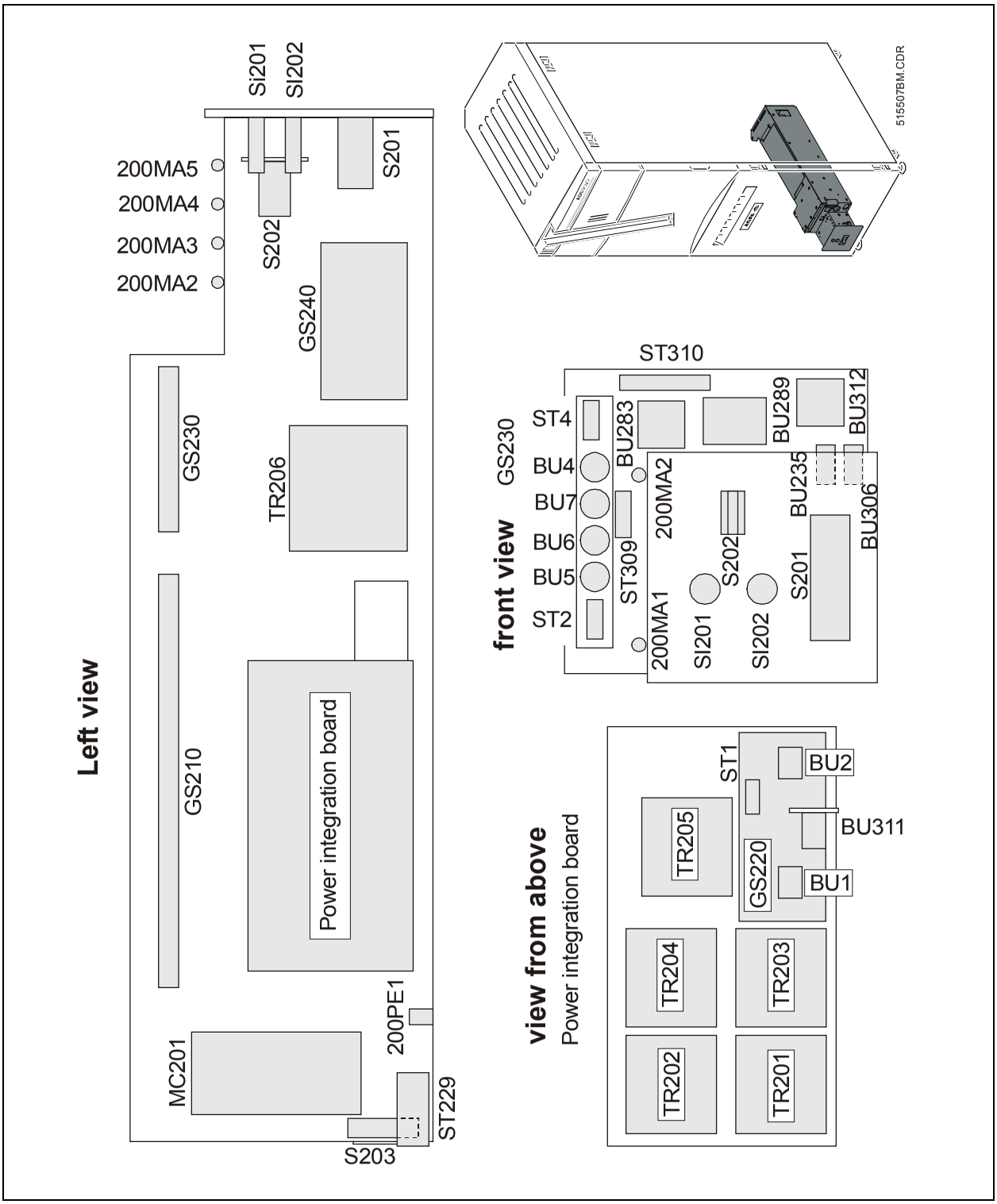


1.2. ADC Solo Frame (100)



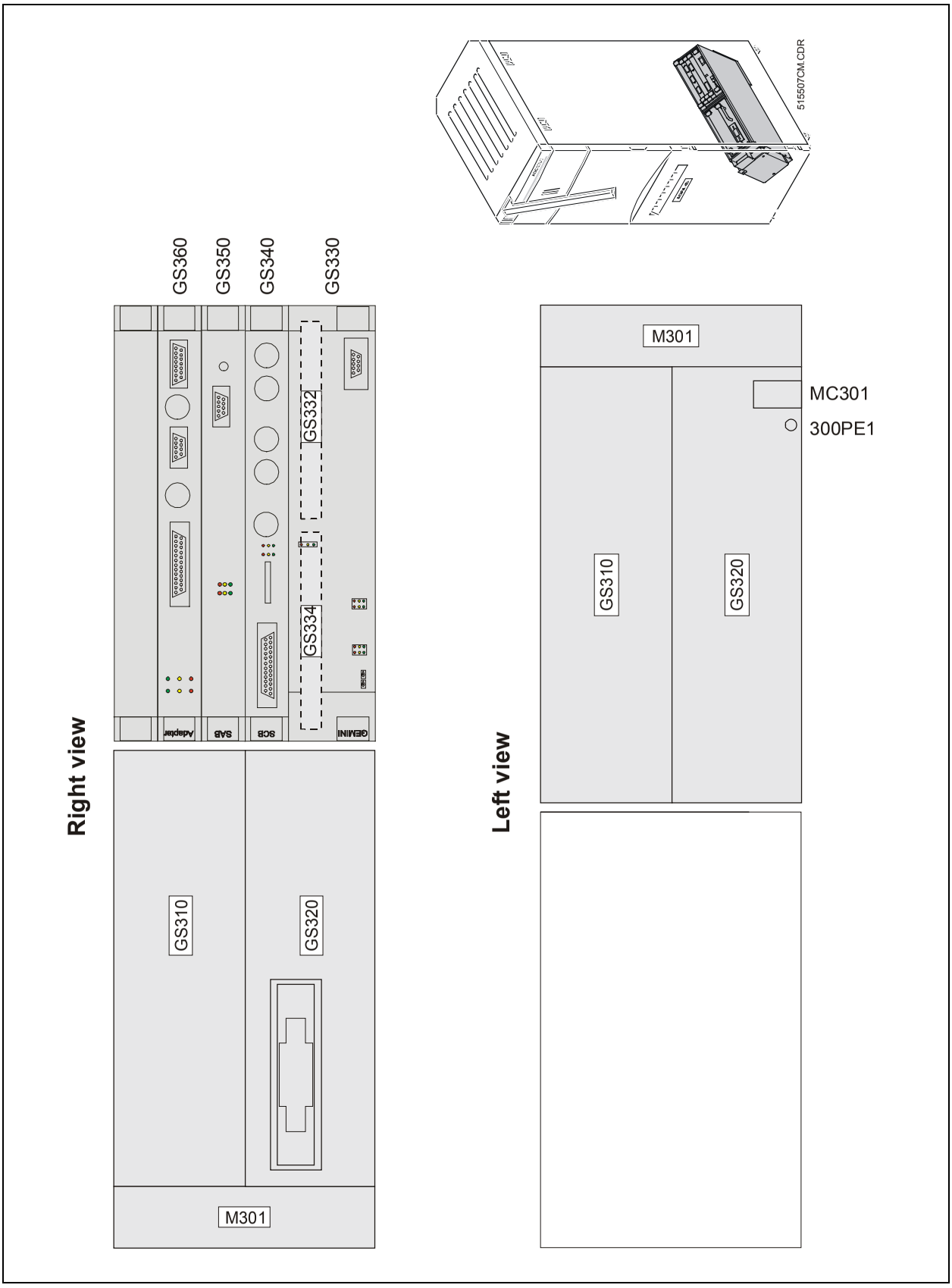
Abbreviations	Module	Designation
100 MA1 – 100 MA12	-100-	Chassis connection of shielded cables
BU61	-100-	Socket for Service-PC
BU122	-100-	Socket for Transport unit
BU353	-100-	Socket for Erasure unit fan
GS110	-100-	Ethernet board
GS112	-100-	LCD-Terminal
GS114	-100-	I/O Bus distributor board
GS116	-100-	Status & Emergency node
GS118	-100-	LCD-display
M101	-100-	Power unit fan
S101	-100-	Interlock switch right hand side
ST22	-100-	Plug for Transport unit
ST349	-100-	Plug for Erasure unit

1.3. ADC Solo Power unit (200)



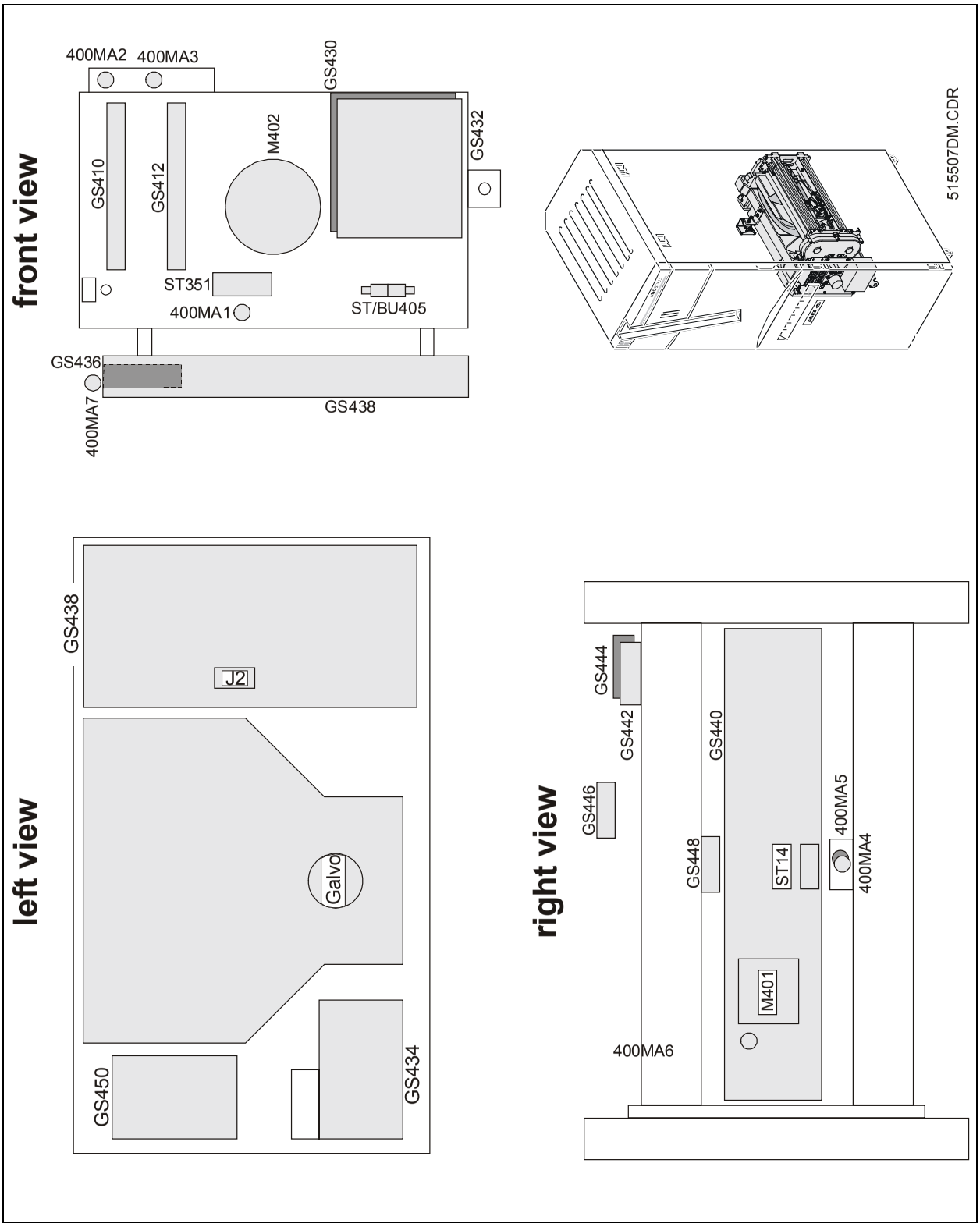
Abbreviations	Module	Designation
200 MA1 - 200 MA5	-200-	Chassis connection of shielded cables
200 PE1	-200-	Ground
BU1	-200-	Socket for Current sense board
BU2	-200-	Socket for Current sense board
BU4	-200-	Socket for Power integration board
BU5	-200-	Socket for Power integration board
BU6	-200-	Socket for Power integration board
BU7	-200-	Socket for Power integration board
BU235	-200-	Socket for Power unit fan
BU283	-200-	Socket for Power integration board
BU289	-200-	Socket for Erasure unit
BU306	-200-	Socket for VME-Board (230 V)
BU311	-200-	Socket for Transformer
BU312	-200-	Socket for Erasure unit
GS210	-200-	Erasure control board
GS220	-200-	Current sense board
GS230	-200-	Power integration board
GS240	-200-	Galvo power supply 15 V
MC201	-200-	Line filter
S201	-200-	Mains switch with overload protection
S202	-200-	Interlock switch front side
S203	-200-	Line selector
SI201	-200-	Galvo power supply fuse T2.0A
SI202	-200-	Step motor transformer fuse T2.0A
ST1	-200-	Plug Current sense board
ST2	-200-	Plug Power integration board
ST4	-200-	Plug Power integration board
ST229	-200-	Mains plug
ST309	-200-	Plug Interlock switch right hand side
ST310	-200-	Plug I/O-Bus power unit
TR201	-200-	Transformer Erasure lamps 1, 6
TR202	-200-	Transformer Erasure lamps 2, 7
TR203	-200-	Transformer Erasure lamps 3, 8
TR204	-200-	Transformer Erasure lamps 4, 9
TR205	-200-	Transformer Erasure lamps 5, 10
TR206	-200-	Step motor transformer 30 V

1.4. ADC Solo VME – Rack (300)



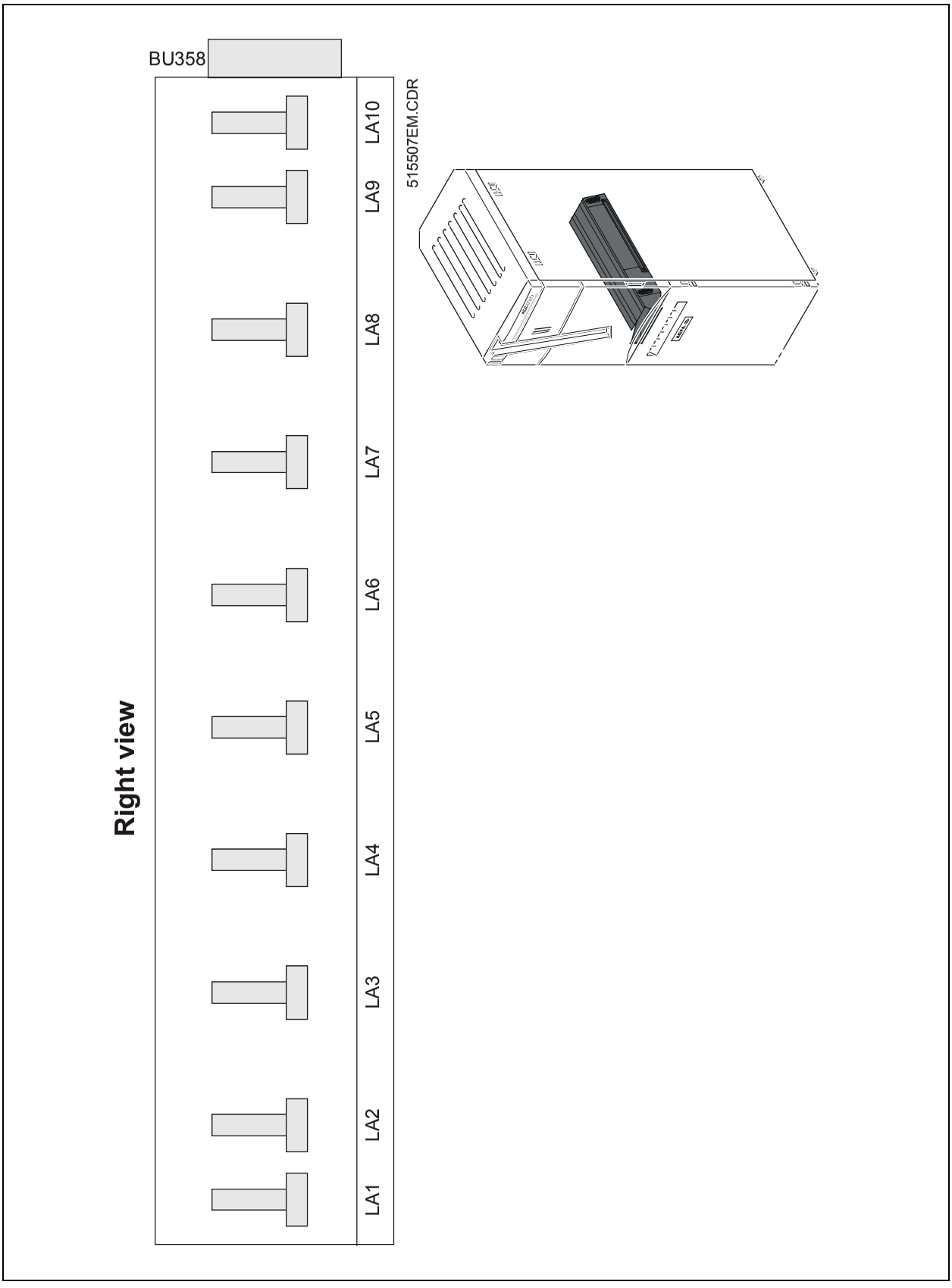
Abbreviations	Modul	Designation
300 PE1	-300-	Ground
GS310	-300-	VME power supply
GS320	-300-	VME storage board
GS330	-300-	VME Gemini board
GS332	-300-	BER. Board (Gemini board)
GS334	-300-	Mem. Board (Gemini board)
GS340	-300-	VME scan control board
GS350	-300-	VME scan acquisition board
GS360	-300-	VME adapter board
M301	-300-	VME fan
MC301	-300-	VME line filter

1.5. ADC Solo Scan unit (400)



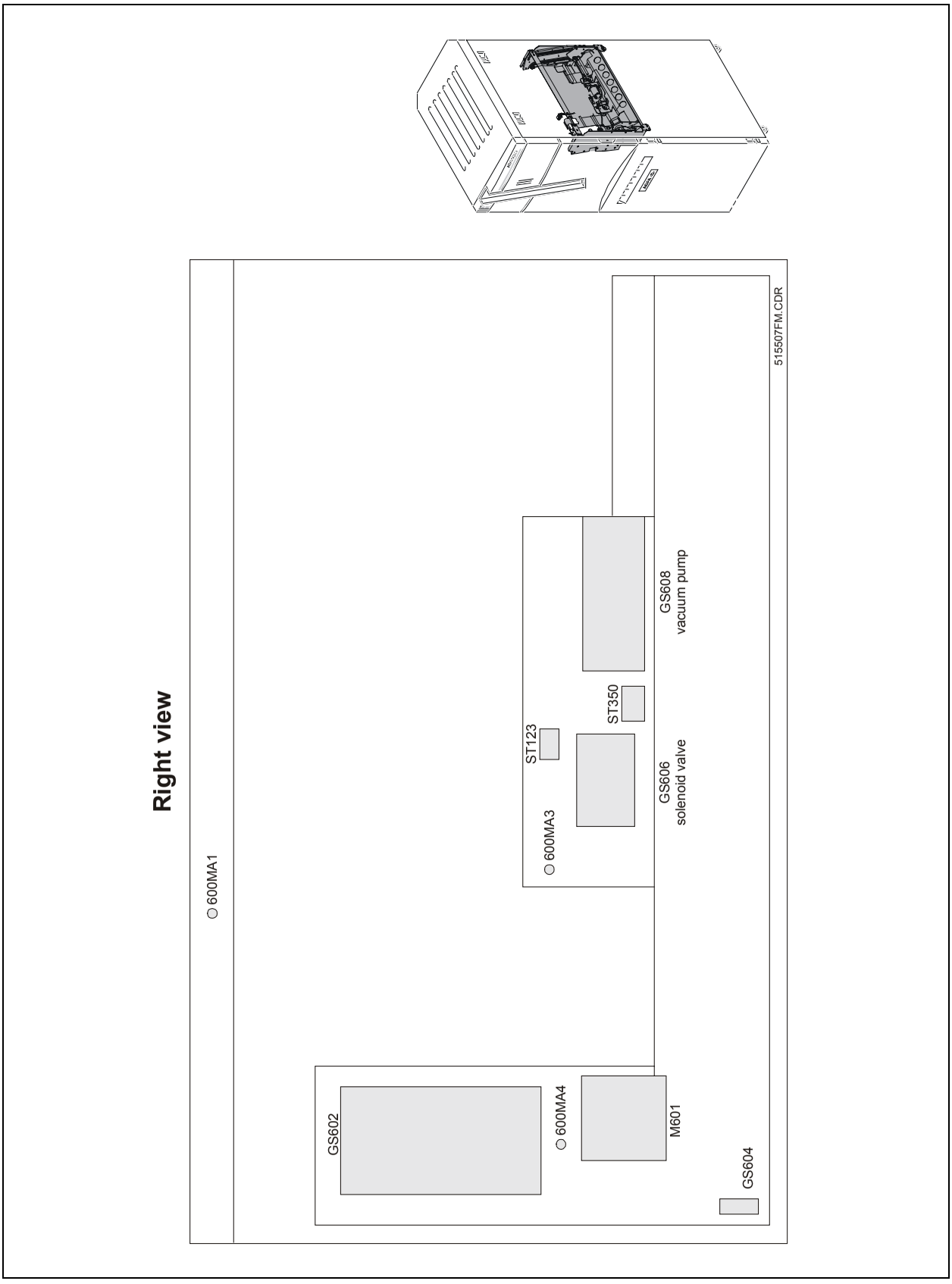
Abbreviations	Modul	Designation
400 MA1 - 400 MA7	-400-	Chassis connection of shielded cables
BU405	-400-	Socket for PIN-Diodes
GALVO	-400-	Galvo
GS410	-400-	Scan roller lift step motor board
GS412	-400-	Slowscan step motor board
GS430	-400-	PMT high tension control board
GS432	-400-	PMT high tension power supply
GS434	-400-	Laser module
GS436	-400-	Galvo adapter board
GS438	-400-	Galvo motor + driver board
GS440	-400-	PIN diode board
GS442	-400-	IP alignment light barrier - sender
GS444	-400-	IP alignment light barrier - receiver
GS446	-400-	Scanner IP detection light barrier
GS448	-400-	Scan roller lift 0-position light barrier
GS450	-400-	Photomultiplier (PMT) module
J2	-400-	Galvo
M401	-400-	Scan roller lift motor
M402	-400-	Slowscan motor
ST14	-400-	Plug for scan roller lift motor
ST351	-400-	Plug for I/O-Bus-scan
ST405	-400-	Plug for VME scan control board

1.6. ADC Solo Erasure unit (500)



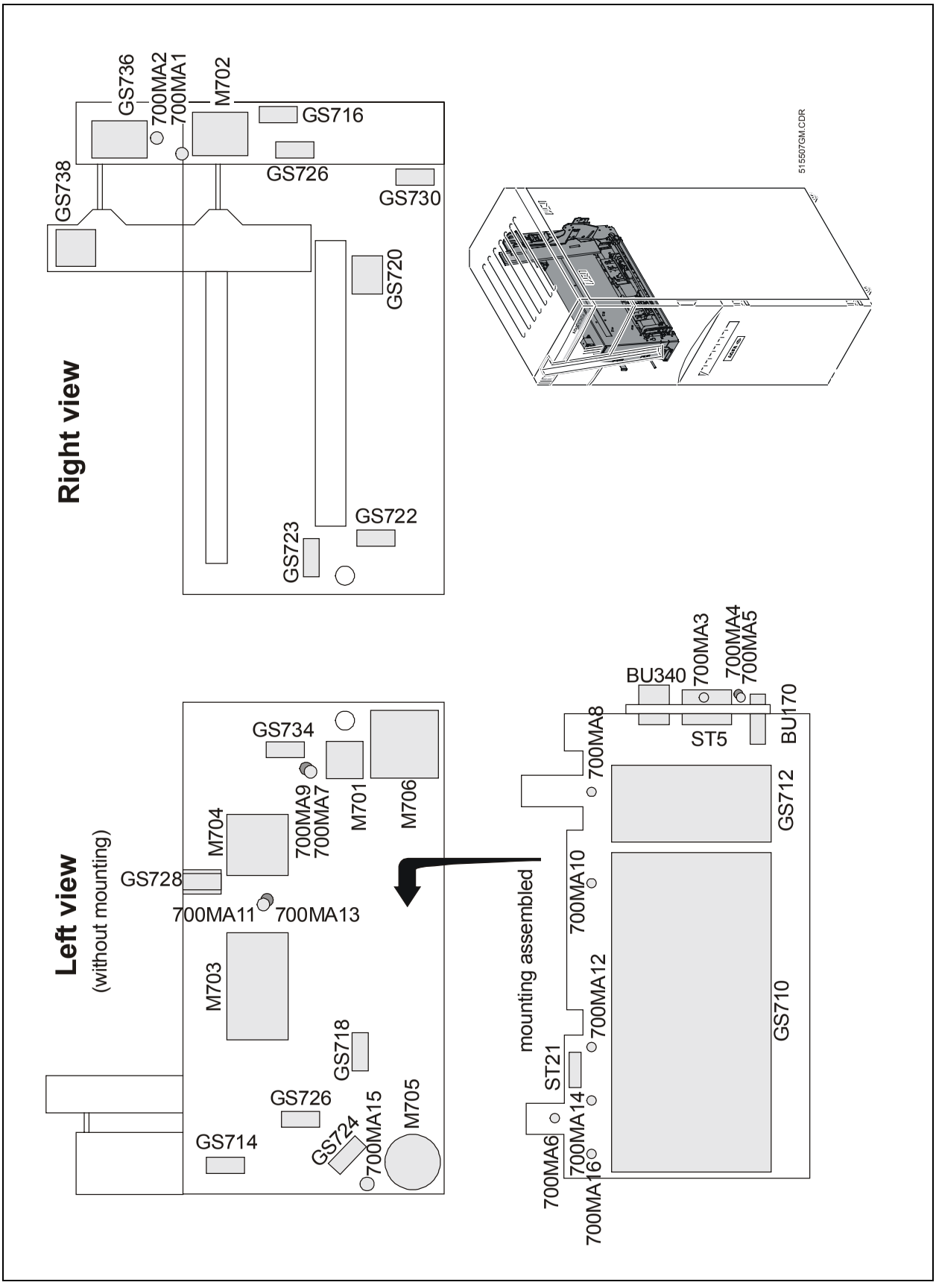
Abbreviations	Modul	Designation
BU358	-500-	Socket for erasure unit
LA1 - LA10	-500-	Erasure lamp No. 1 - erasure lamp No. 10

1.7. ADC Solo IP transport (600)



Abbreviations	Modul	Designation
600 MA1 - 600 MA4	-600-	Chassis connection of shielded cables
GS602	-600-	IP transport board
GS604	-600-	IP transport 0-position light barrier
GS606	-600-	Solenoid valve
GS608	-600-	Vacuum pump
M601	-600-	IP transport motor
ST123	-600-	Plug for power supply stepper motor
ST350	-600-	Plug for solenoid valve and vacuum pump

1.8. ADC Solo Cassette unit (700)



Abbreviations	Modul	Designation
700 MA1 - 700 MA16	-700-	Chassis connection of shielded cables
BU170	-700-	Socket for 40 V cassette power supply
BU340	-700-	Socket for RF-tag serial reader
GS710	-700-	Fivefold stepper board
GS712	-700-	IP alignment board
GS714	-700-	Cassette belt 0-position light barrier
GS716	-700-	Cassette opener 0-position light barrier
GS718	-700-	Cassette lift 0-position light barrier
GS720	-700-	Cassette detection switch
GS722	-700-	Cassette clamp 0-position light barrier
GS724	-700-	Cassette clamp light barrier
GS726	-700-	Cassette position detection light barrier
GS728	-700-	IP alignment 0-position light barrier
GS730	-700-	IP position detection light barrier
GS732	-700-	Cassette input detection light barrier - sender
GS734	-700-	Cassette input detection light barrier - receiver
GS736	-700-	RF-tag serial reader
GS738	-700-	RF-tag antenna
M701	-700-	Cassette roller motor
M702	-700-	Cassette opener motor
M703	-700-	Cassette lift motor
M704	-700-	Cassette unit belt motor
M705	-700-	Cassette clamping motor
M706	-700-	IP alignment step motor
ST5	-700-	Plug for I/O-Bus cassette unit
ST21	-700-	Plug and Socket (Cassette opener motor)

2. Printed Circuit Boards

Diagram	No.	Unit	Module
Overall circuit diagram	1 / 7	Cassette unit	-700-
Overall circuit diagram	2 / 7	VME – Rack	-300-
Overall circuit diagram	3 / 7	Scan / optic unit	-400-
Overall circuit diagram	4 / 7	Power unit	-200-
Overall circuit diagram	5 / 7	Erasure unit	-500-
Overall circuit diagram	6 / 7	IP – transport unit	-600-
Overall circuit diagram	7 / 7	Frame	-100-

M705-CASS-CLAMP-MOT
M704-CASS-BELT-MOT
M703-CASS-LIFT-MOT
M702-CASS-OPENER-MOT
M701-CASS-ROLLER-MOT
M706-CASS-ALIGNMENT-MOT
GS738-RF-TAG-ANTENNA F7.0486.1316.X
GS736-RF-TAG-READER F7.0486.1315.X
GS710-5FOLD-STEP-BD F8.9499.8120.X
GS712-IP-ALIGNMENT-BD F8.9499.8140.X
SUBNODE2 JL1
SUBNODE1 JL2
(40v cass) /4.3F
(IO-BUS CASS) /7.3A
(Reader) /2.1A
FERRIT
GS714-CASS-BELT-0-LS F8.9499.6540.X
GS718-CASS-LIFT-0-LS F8.9499.6540.X
GS722-CASS-CLAMP-0-LS F8.9499.5880.X
GS724-CASS-CLAMP-LS F8.9499.6540.X
GS716-CASS-OPEN-0-LS F8.9499.6540.X
GS720-CASS-SWITCH F8.8360.7000.X
GS726-CASS-POS-DET-LS F8.9499.6540.X
GS734-CASS-IN-DET-LS F8.5100.7460.X
GS732-CASS-IN-DET-LS F8.9499.4630.X
GS728-ALIGN-0-POS-LS F8.9499.6540.X
GS730-IP-POS-DET-LS F8.9499.6770.X

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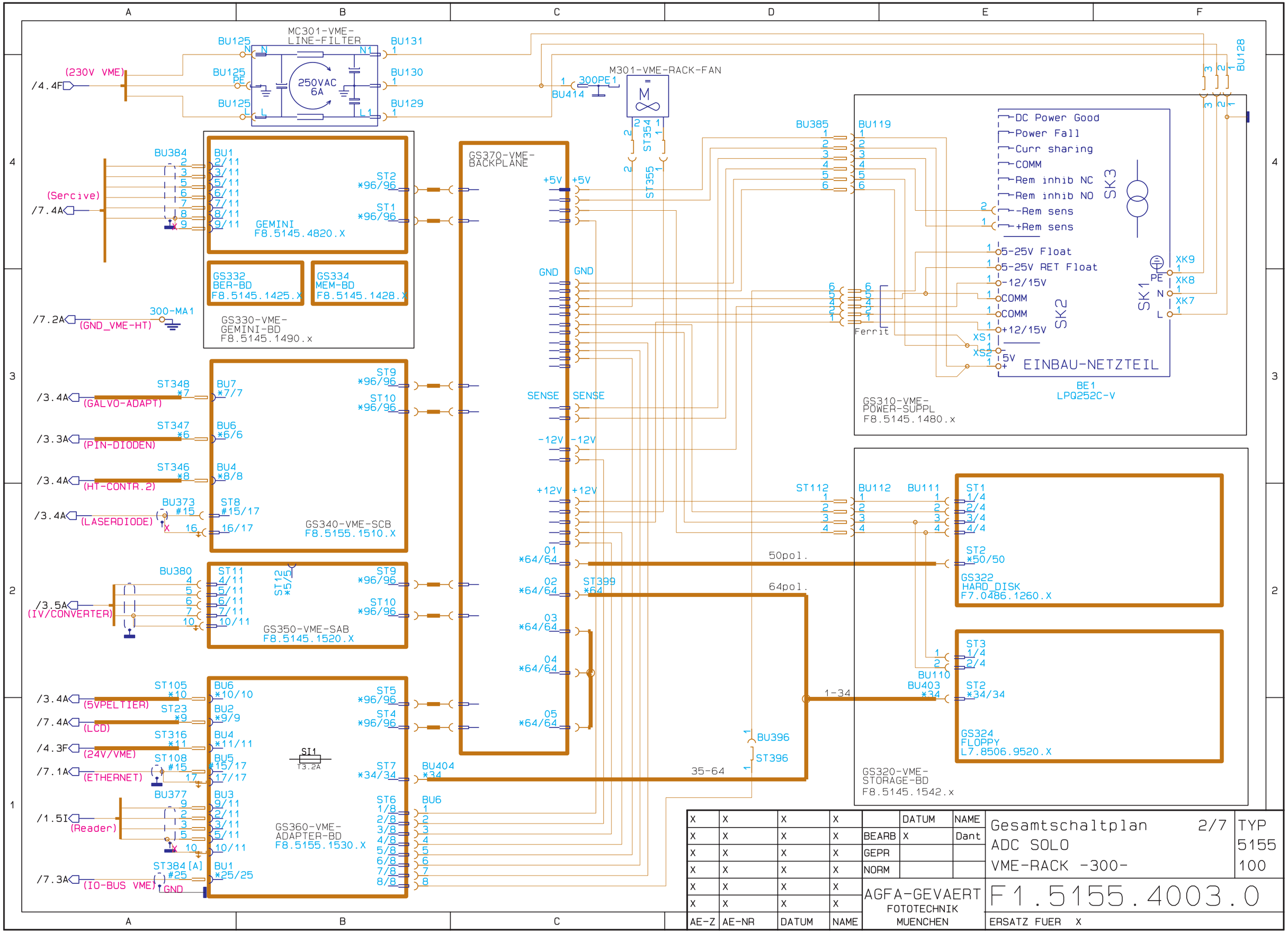
X	X	X	X	NORM		
X	X	X	X			
X	X	X	X			
AE-Z	AE-NR	DATUM	NAME			

AGFA-GEVAERT FOTOTECHNIK MUENCHEN

Gesamtschaltplan 1/7 TYP
ADC SOLO 5155
CASSETTE UNIT -700- 100

F1.5155.4003.0

ERSATZ FUER X



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X	X	X	X	NORM		
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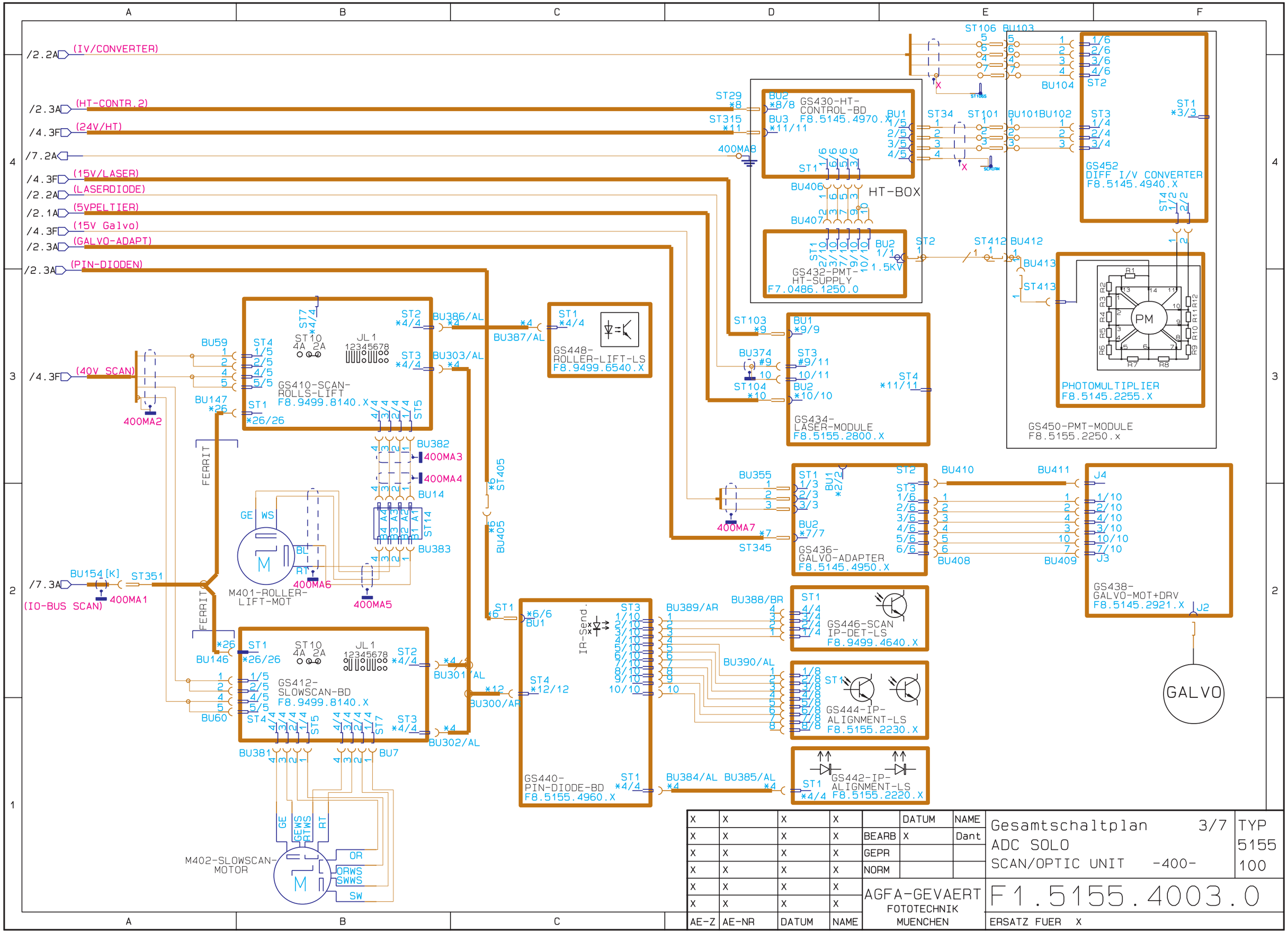
X	X	X	X			
AE-Z	AE-NR	DATUM	NAME			

Gesamtschaltplan 2/7 — TYP 5155
ADC SOLO — 100
VME-RACK -300-

F1.5155.4003.0

ERSATZ FUER X



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X	X	X	X			
AE-Z	AE-NR	DATUM	NAME			

Gesamtschaltplan 3/7
ADC SOLO
SCAN/OPTIC UNIT -400-

TYP 5155 100

F1.5155.4003.0

ERSATZ FUER X

S203-LINE-SELECTOR
S202-INTERLOCK-FRONT
S201-MAINS-SWITCH
MC201-LINE-FILTER
TR206-30V-TRANFORMER
SI202-SM-TRANSF-FUSE
SI201-GALVO-POWER-FUSE
GS240-15V-POWER-SUPPL
TR201-ERASURE-TRANSF
TR202-ERASURE-TRANSF
TR203-ERASURE-TRANSF
TR204-ERASURE-TRANSF
TR205-ERASURE-TRANSF
ERASURE-TRANSF-UNIT
GS210-ERASURE-CTRL-BD F8.5155.6460.X
GS220-CURRENT-SENSE F8.5155.6440.X
GS230-POWER-INTEGR-BD F8.5155.6450.X
GERAETE-ST-V
(230V VME) /2.4A
(Luefter-Loesch) /5.1A
(Transport) /6.4A
(Luefter-LE) /7.4A
(15V Galvo) /3.4A
(15V/LASER) /3.4A
(24V/VME) /2.1A
(24V/HT) /3.4A
(40V SCAN) /3.3A
(40v cass) /1.4I
(IO-BUS LE) /7.3A
(Interlock) /7.1A
(Loesch verdrillt) /5.2A

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Gesamtschaltplan 4/7 — TYP 5155
ADC SOLO — 100
POWER UNIT -200-

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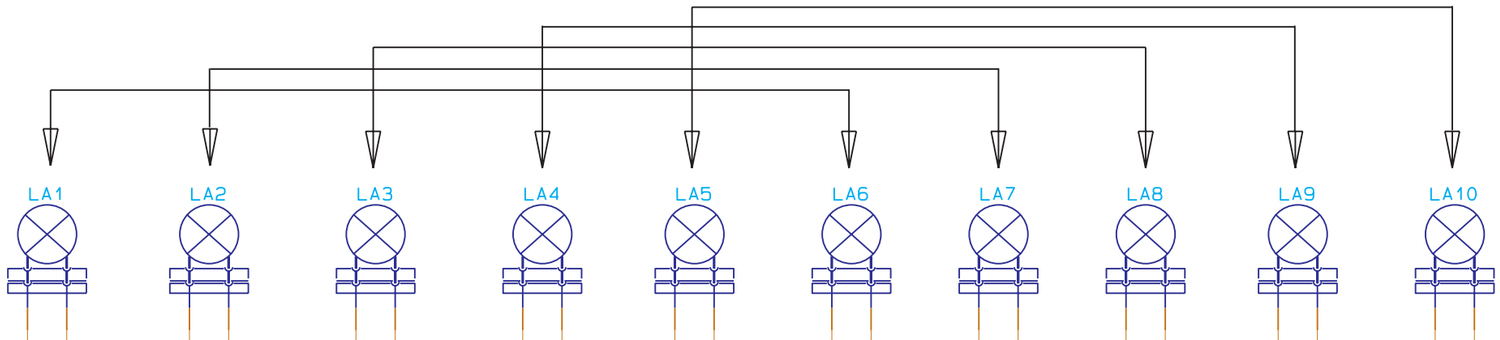
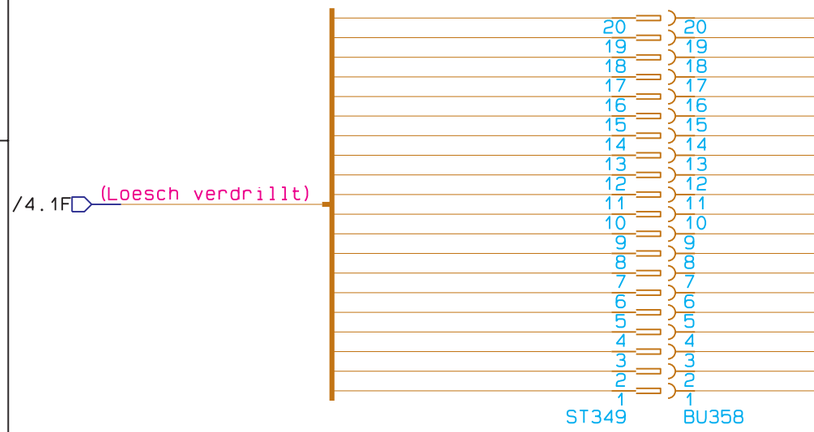
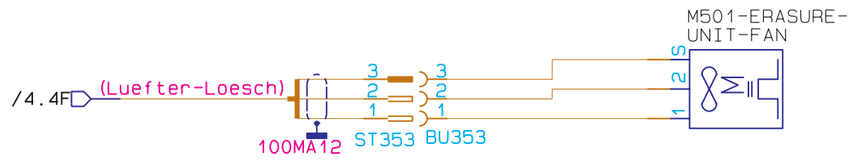
ERSATZ FUER X

ERASURE-LAMPS







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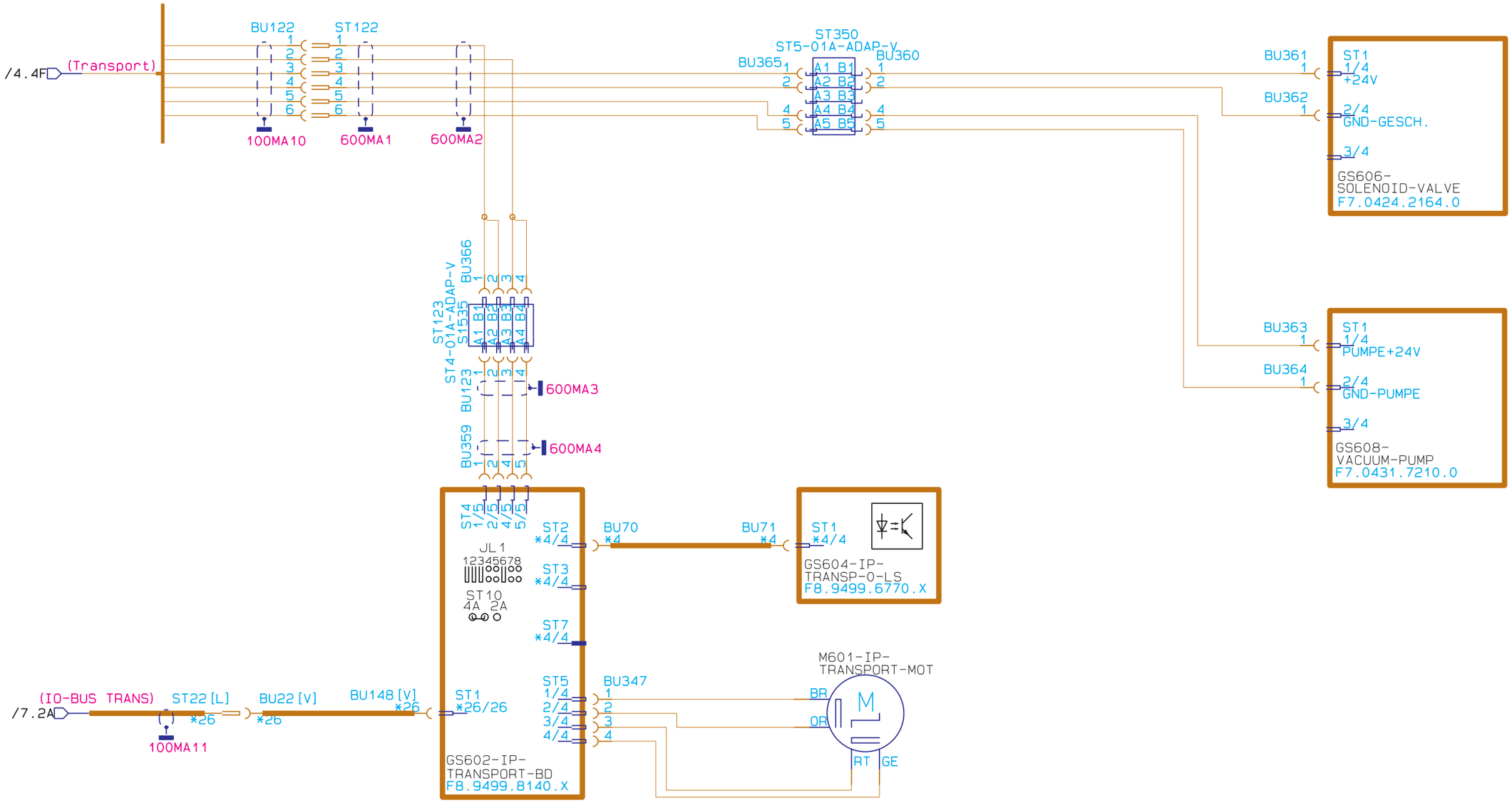

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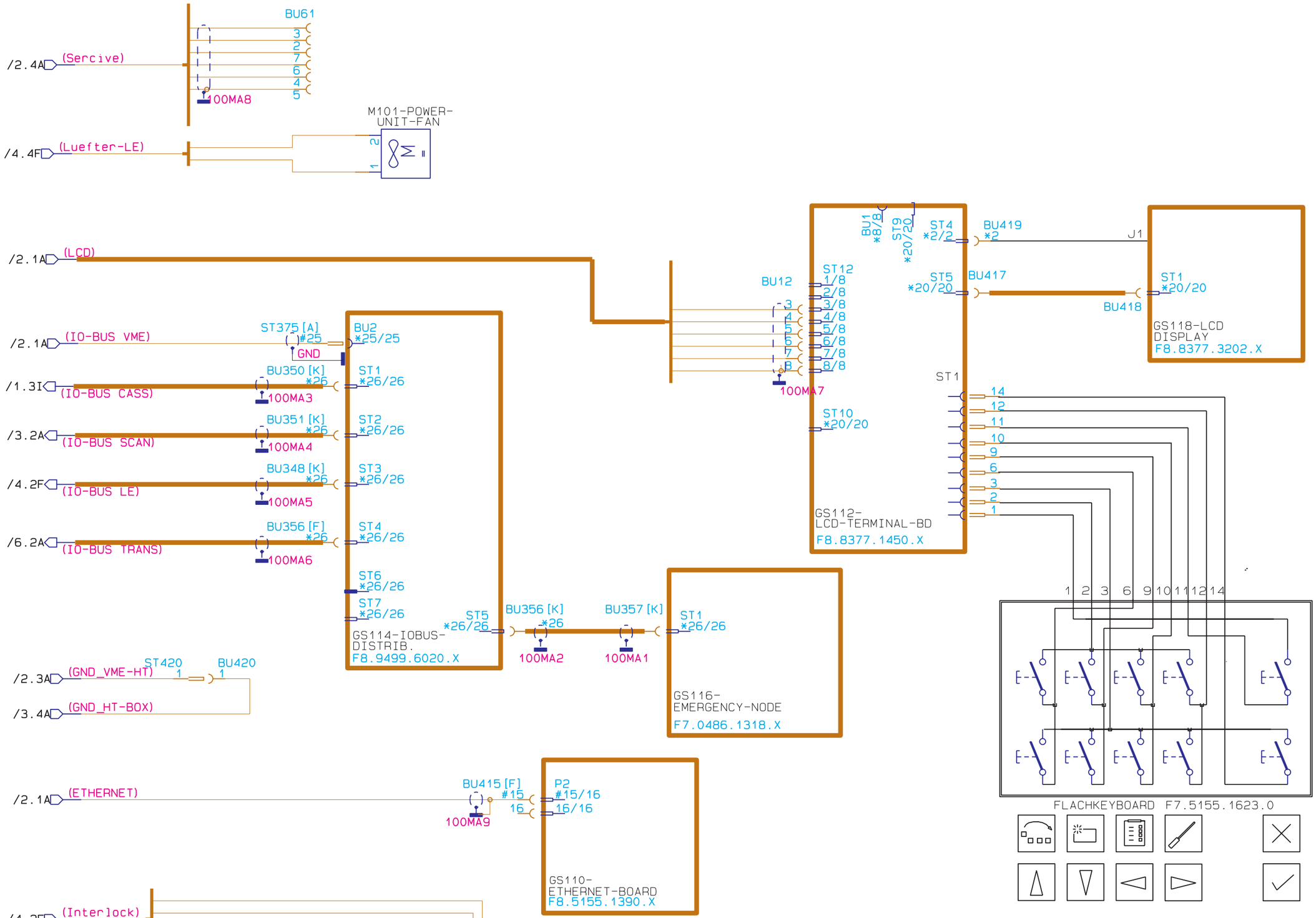
AE-Z	AE-NR	DATUM	NAME			

GESAMTSCHALTPLAN 6/7
ADC SOLO
IP-TRANSPORT UNIT -600-

TYP 5155 100

F1.5155.4003.0

ERSATZ FUER X



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X	X	X	X			
AE-Z	AE-NR	DATUM	NAME			

Gesamtschaltplan 7/7 — TYP 5155
ADC SOLO — 100
FRAME -100-

F 1.5155.4303.0

ERSATZ FUER X